

# ExxonMobil™ PP1222F

Polypropylene Homopolymer

ExxonMobil Chemical

## Message:

A composite resin with medium melt flow rate and filled with 20% minerals is suitable for injection molded consumer goods and household appliances requiring long-term thermal aging resistance. UL continuous operation rating is 95 c.

| General Information |                               |
|---------------------|-------------------------------|
| UL YellowCard       | E31790-230744                 |
| Features            | Rigidity, high                |
|                     | Good thermal aging resistance |
|                     | Medium liquidity              |
|                     | Heat resistance, high         |
|                     | Detergent resistance          |
|                     | Fill                          |
| Appearance          | Natural color                 |
| Forms               | Particle                      |
| Processing Method   | Extrusion                     |
|                     | Injection molding             |

| Physical                                  | Nominal Value | Unit     | Test Method |
|-------------------------------------------|---------------|----------|-------------|
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 5.0           | g/10 min | ASTM D1238  |

| Mechanical                                | Nominal Value | Unit | Test Method |
|-------------------------------------------|---------------|------|-------------|
| Tensile Strength <sup>1</sup> (Yield)     | 36.8          | MPa  | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Yield)   | 5.8           | %    | ASTM D638   |
| Flexural Modulus - 1% Secant <sup>3</sup> | 2390          | MPa  | ASTM D790A  |

| Impact                     | Nominal Value | Unit | Test Method |
|----------------------------|---------------|------|-------------|
| Notched Izod Impact (23°C) | 22            | J/m  | ASTM D256A  |

| Thermal                           | Nominal Value | Unit | Test Method |
|-----------------------------------|---------------|------|-------------|
| Deflection Temperature Under Load |               |      | ASTM D648   |
| 0.45 MPa, not annealed            | 130           | °C   | ASTM D648   |
| 1.8 MPa, not annealed             | 70.9          | °C   | ASTM D648   |

| Legal statement |
|-----------------|
|-----------------|

本产品不宜在医疗应用中使用,亦不应在任何此类应用中使用

| NOTE |            |
|------|------------|
| 1.   | 51 mm/min  |
| 2.   | 51 mm/min  |
| 3.   | 1.3 mm/min |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection.All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519  
Phone: +86 13424755533  
Email: sales@su-jiao.com  
No. 215, Lianhe North Road, Fengxian District, Shanghai, China

